EQUATION 13-2 Proposed UA_D

$$UA_{p} = \ U_{ra}A_{ra} + U_{or}A_{or} + U_{og}A_{og} + U_{w}A_{w} + U_{d}A_{d} + U_{vg}A_{vg} + U_{f}A_{f} + F_{s}P_{s} + U_{bgw}A_{bgw}$$

Where:

UA_p = The combined proposed specific heat transfer of the gross exterior wall, floor and roof/ceiling assembly area.

 U_{ra} = The thermal transmittance of the roof over attic area.

 A_{ra} = Opaque roof over attic area.

 U_{Or} = The thermal transmittance of the other roof area.

 A_{Or} = Opaque other roof area.

 U_{og} = The thermal transmittance for the overhead glazing.

 A_{Og} = Overhead glazing area.

 U_W = The thermal transmittance of the opaque wall area.

A_W = Opaque above grade wall area (not including opaque doors).

 U_{Vg} = The thermal transmittance of the vertical glazing area.

 $A_{Vg} \quad \ = \quad Vertical \ glazing \ area.$

 U_d = The thermal transmittance value of the opaque door area.

 A_d = Opaque door area.

Uf = The thermal transmittance of the floor over unconditioned space area.

 A_f = Floor area over unconditioned space.

F_S = Slab-on-grade or radiant floor component F-factor.

P_S = Lineal feet of slab-on-grade or radiant floor perimeter.

 U_{bgw} = The thermal transmittance value of the below grade wall area.

 A_{bgW} = Below grade wall area as defined in Tables 13-1 or 13-2.

NOTE: Where more than one type of wall, window, roof/ceiling, door and skylight is used, the U and A terms for those items shall be expanded into sub-elements as:

 $U_{w1}A_{w1}+U_{w2}A_{w2}+U_{w3}A_{w3}+...$ etc.